

AMENDMENTS TO THE CLAIMS:

1-15. (Canceled)

16. (Currently Amended) A computer-implemented method for accelerating database query

5 processing, comprising:

determining during execution of a particular query whether continued execution of a particular query

execution plan is worthwhile by

calculating the amount of query execution remaining;

placing a number of checkpoints in the particular query execution plan;

10 computing the difference between estimated optimization parameter values and actual

optimization parameter values at a given checkpoint to determine the significance of

parameter estimation errors, by pushing the given checkpoint below a materialization

point for subsequent execution, transferring each row to its parent operator in a

pipelined manner, storing identifiers of all rows returned on a side table using an

15 INSERT plan operator just below ~~the~~ a return operator, then compensating for

returned row results by executing an anti join between the side table and a new result stream;

concluding that continued execution is not worthwhile if a significant amount of query

execution remains and significant parameter estimation errors have occurred; and

20 if continued execution is not worthwhile, then suspending query execution, re-optimizing the

particular query, and restarting query execution with a re-optimized query plan; and

outputting query results.

17-18. (Canceled)